

PERFORMANCE DATA

No applicable performance standards have been promulgated under FDCA Section 514 for this system. The previously cleared software modules were developed in accordance with Aesculap's internal SOP's as well as CDRH's "General Principles of Software Validation; Final Guidance for Industry and FDA Staff. Aesculap's Orthopilot Next Generation navigation platform complies with the following FDA recognized standards:

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| IEC 60601-1 | International Electrotechnical Commission; Medical Electrical Equipment, Part 1: General Requirements for Safety. |
| IEC 60601-1-2 | International Electrotechnical Commission; Medical Electrical Equipment, General Requirements for Safety: Electromagnetic Compatibility – Requirements and Tests. |

SUBSTANTIAL EQUIVALENCE

Aesculap® Implant Systems, Inc. believes that the OrthoPilot Next Generation navigation system is substantially equivalent to our currently marketed OrthoPilot 2 system cleared in Aesculap's 510(k) submission #K013569. The software that has been previously cleared for OrthoPilot 2 is compatible with OrthoPilot Next Generation and remains unchanged. The OrthoPilot Next Generation navigation system merely represents an across the board upgrade in hardware technology and connectivity.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Center for Devices and Radiological Health's (CDRH's) Office of Compliance at (240) 276-0115. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at (240) 276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at (240) 276-3464. You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Mark N. Melkerson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Mark N. Melkerson
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

